ALCOHOL

SUBJECT AND AUTHOR INDEX
VOLUME 13, 1996

ELSEVIER

ALCOHOL

An International Biomedical Journal
incorporating *Alcohol* and *Drug Research*

Editor-in-Chief

R. D. MYERS
Department of Pharmacology, School of Medicine
East Carolina University, Greenville, NC 27858

Editorial Advisory Board

E. L. ABEL *(Detroit, MI)*
D. P. AGARWAL *(Hamburg, Germany)*
H. BEGLEITER *(Brooklyn, NY)*
S. BORG *(Stockholm, Sweden)*
J. F. BRIEN *(Kingston, ON)*
A. C. COLLINS *(Boulder, CO)*
J. C. CRABBE *(Portland, OR)*
C. J. P. ERIKSSON *(Helsinki, Finland)*
G. FREUND *(Gainesville, FL)*
S. GOVONI *(Milan, Italy)*
L. A. GRUPP *(Toronto, ON)*
R. A. HARRIS *(Denver, CO)*
P. HOFFMAN *(Denver, CO)*
F. A. HOLLOWAY *(Oklahoma City, OK)*
W. A. HUNT *(Rockville, MD)*
H. KALANT *(Toronto, Canada)*
S. W. KIEFER *(Manhattan, KS)*
K. KIIANMAA *(Helsinki, Finland)*
G. KOOB *(La Jolla, CA)*
K. KURIYAMA *(Kyoto, Japan)*
S. W. LESLIE *(Austin, TX)*
M. LEWIS *(Philadelphia, PA)*
T.-K. LI *(Indianapolis, IN)*
K. O. LINDROS *(Helsinki, Finland)*
W. J. McBRIDE *(Indianapolis, IN)*
B. A. McMILLEN *(Greenville, NC)*
N. MELLO *(Belmont, MA)*
E. MEZEY *(Baltimore, MD)*
E. P. NOBLE *(Los Angeles, CA)*
R. NORDMANN *(Paris, France)*
T. PETERS *(London, UK)*
L. A. POHORECKY *(Piscataway, NJ)*
E. RILEY *(San Diego, CA)*
H. H. SAMSON *(Winston-Salem, NC)*
J. D. SINCLAIR *(Helsinki, Finland)*
L. P. SPEAR *(Binghamton, NY)*
D. J. TUMA *(Omaha, NE)*
M. J. WAYNER *(San Antonio, TX)*
J. R. WEST *(College Station, TX)*

Managing Editor:
M. A. MYERS

Reviews and Comments on Alcohol Research Editor:
B. A. McMILLEN

ALCOHOL

Editorial Office:
R. D. MYERS
Department of Pharmacology, School of Medicine
East Carolina University, Greenville, NC 27858

Publishing Office:
Elsevier Science Inc., 660 White Plains Road, Tarrytown, NY 10591-5153, USA, E-mail Address: ESUK.USA@ELSEVIER.COM

Subscription Office:
Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107, USA

Published Bimonthly

Annual institutional subscription rate (1996): US$750.00. *Individual Subscription Rate* (1996): US $147.00. Prices include postage and insurance and are subject to change without notice. For customer service phone (212)633-3950; TOLL-FREE for customers in the USA and Canada: 1-888-4ES-INFO (1-888-437-4636) or fax: (212)633-3680. E-mail: usinfo-f@elsevier.com

Please direct inquiries regarding advertising in this journal to Jay Allan Feinman, Advertising Sales Dept., Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107. Tel: (212)633-3689, Fax: (212)633-3820, E-Mail: j.feinman@elsevier.com.

Reprints of any article in this journal are available for purchase in quantities of 100 or more. Please contact Dan Cronin, Commercial Reprints Dept., Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107. Tel: (212)633-3813, Fax: (212)633-3820, E-Mail: d.cronin@elsevier.com

ELSEVIER

Alcohol, Vol. 13, No. 6, pp. 631–634, 1996
Copyright © 1996 Elsevier Science Inc.
Printed in the USA. All rights reserved
0741-8329/96 $15.00 + .00

VOLUME 13, 1996

SUBJECT INDEX

AA rats, 263
Acetaldehyde, 93, 257, 423, 539, 553
Acetaldehyde CHO cells, 611
Acidosis, 281
Acoustic startle, 163
Acute exercise, 603
Addiction, 53
ADH activity, 195
Adolescence, 297
Adrenalectomy, 233
Aerial righting reflex, 287
Alcohol, 13, 25, 35, 59, 79, 111, 125, 133, 153, 187, 201, 239, 281, 309, 341, 369, 455, 487, 521, 539, 553, 575, 597
Alcohol abuse, 19
Alcohol consumption, 65
Alcohol dehydrogenase, 147, 257
Alcohol dependence, 387, 415
Alcohol intake, 53, 347, 399, 521
Alcohol intoxication, 473
Alcohol and lactation, 443
Alcohol metabolism, 347
Alcohol preference, 515
Alcohol satiation, 359
Alcohol withdrawal, 139
Alcohol-preferring P rat, 297
Alcohol-related birth defects, 47
Alcoholic beverages, 547
Alcoholism, 5, 31, 35, 85, 125, 333, 423, 449, 467, 493, 521, 539, 553
Aldehyde dehydrogenase, 147, 257, 347
Amino acids, 171
Amino compounds, 171
Aminolevulinic acid, 59
Aminopeptidase A, 125
3-Amino-1,2,4-triazole, 147
Amperozide, 53
Amperozide (FG5606), 399
Angiotensin II, 125, 287, 359
Angiotensinases, 125
Aniline hydroxylation, 69
Animal models, 617
Antioxidant, 327
Antioxidant enzyme, 603
Antioxidants, 41
Antioxidative enzymes, 41
Aorta, 171
Apomorphine, 515
Arylamidases, 125
Astrocyte, 487
Astroglial cells, 93
AT_1 receptor, 287
Auditory distraction, 153
Auditory evoked potential, 333

B cells, 467
Beer, 365
Benzothiazepines, 263
Betaine, 395, 483
Biological markers, 415
Birth defects, 369
Birth weight, 99
Blood alcohol, 195
Blood alcohol levels, 341
Blood coagulation, 423, 539
Blood gases, 281
Blood pressure, 387
Brain, 157, 521, 581
Brain (rat), 487î
Brain regions, 603
Brain subcellular fractions, 291
Broilers, 111
Bromocriptine, 355
Bronchus, 171
Brush border membrane, 449

C57BL/6J, 369
Calcium, 157
Cardiac bioenergetics, 499
Cardiac output, 387
Cardiac phosphometabolites, 499
Cardioprotective actions of ethanol, 499
Catalase, 147, 347
Catalytic activities, 301
CD4/CD8 rat lymphocytes, 467
Cell death, 589
Chick embryo, 431
Chickens, 111
Choice, 365
Chromosomal aberrations, 65
Chronic, 621
Cinnarizine, 221
Circulation, 117
Cirrhosis, 553
CNS, 581
Cocaine, 25, 369
Collagen, 227
Conditioned taste aversion, 175
Coproporphyrin isomers, 59
Coproporphyrinuria, 59
Coronary vasospasm, 499
Corticosterone, 233
Cortisol, 493
Craving, 415
CYP2E1, 301
Cysteinylglycine, 157
Cytochrome P450, 69
Cytochromes P450 and b5, 41

Delta receptors, 13
Dendrites, 431
Dendritic spines, 209
Dependence, 163
Detoxification, 139
Development, 559
5,7-Dichlorokynurenic acid, 181
Diet composition, 195
Dihydropyridines, 263
Diltiazem, 263
Dissociated neuron, 157
D,L-(Tetrazol-5-yl)glycine, 181
DNA, 581
Dog, 117, 547
Dopamine, 13, 31, 273
Dopamine D_2 receptor, 515
Dopamine D_3 receptor, 515
Drinking, 53, 521
Drug interactions, 369

EEG, 221
Endocrine system, 493
Endocytosis, 449
Endorphins, 19, 25
Energy balance, 575
Enkephalins, 19
Environmental Enrichment, 209
Epidermal growth factor, 461
Escape, 297
8% Ethanol, 407
Ethanol, 13, 69, 75, 93, 111, 117, 133, 153, 157, 163, 171, 175, 181, 195, 221, 227, 291, 315, 327, 341, 369, 395, 423, 455, 461, 483, 521, 533, 547, 553, 575, 581, 589, 603, 611, 617, 621
Ethanol consumption, 273
Ethanol intake, 263, 355
Ethanol intake and choice, 359
Ethanol intoxication, 287
Ethanol odor, 377
Ethanol preference, 53, 399
Ethanol teratogenesis, 251
Ethanol withdrawal, 195
Ethanol-stimulated dopamine release, 569
Event-related potentials, 85
Exploration, 297

Factor X, 539
Factor Xa, 539
Fatty acids, 41
Female rat, 533
Fetal alcohol effects, 47, 431
Fetal Alcohol Syndrome, 209
Fetal arterial P_{o2}, 251
Fetal hypoxia, 251
Fetal rat hepatocyte, 327
FG5893, 399
FG5974, 399
Fixed-ratio schedule, 341
Folate binding protein, 449
Food intake, 355, 359
Forced choice reaction time, 153
Free choice, 233
Free fatty acids, 611
Fura-2, 157, 181

Ganglioside, 589
Gangliosides, 291
Gastrin, 547
Gender differences, 209
Generalization, 201
Genetic differences, 75
Genetics, 79, 315, 347, 399
Genetics of alcoholism, 19

Gingiva, 257
Gluconeogenesis, 553
Glucose-6-phosphatase, 553
Glutamate, 157, 315
γ-Glutamyltranspeptidase, 157
Glutathione, 157
GM1 ganglioside, 187
G-protein, 487

HAD rats, 53
Heart, 117, 171
Heart rate, 377
Heroin, 25
High blood pressure, 125
High risk, 333
High-density lipoprotein, 309
Hippocampus, 209
Histamine, 547
Hormone-sensitive lipase, 443
5-HT receptors, 521
5-HT_{1A} receptors, 399, 407
5-HT_{2A} receptors, 53, 399
Human, 257, 309, 415
Hydrogen bonding, 133
Hyperbaric environment, 75
Hypertension, 125
Hyperuricemia, 553
Hypoglycemia, 553
Hypothermia, 117
Hypothyroid, 559

ICS 205-930, 569
In vivo microdialysis, 569
Incubation effect, 201
Induction, 301
Intoxication, 75
Intracellular free calcium, 499
Involuntary attention switch, 153

Kidney, 301

Lactic acidemia, 553
Lead exposure, 65
Limited access paradigm, 407
Lipid, 133
Lipids, 111
Lipoprotein lipase, 443
Lipoprotein(a), 309
Lipoproteins, 111
Liquor consumption, 387
Liver, 41, 301, 395, 483
Liver damage, 59
Locomotor stimulation, 79
Long-chain base, 291
Long-Sleep and Short-Sleep mice, 47
Losartan, 287
Low dose, 99
Low risk, 333
L-Type calcium channels, 263
Lung, 301

Malnutrition, 227
Malondialdehyde, 603, 611
Mammary gland, 443
Maudsley Reactive rats, 273
1-(m-Chlorophenyl)-biguanide, 569
Membrane cholesterol, 597
Membrane fluidity, 589
Metabolism of oral [^{14}]triolein, 443
Methionine metabolism, 395, 483
5-Methyltetrahydrofolate, 449
Mice, 79, 369
Molecular regulation, 301
Mossy fibers, 239
Motor activity, 377
Mu receptors, 13

Naloxonazine, 13
Naloxone, 5, 25
Naltrexone, 5, 19, 25, 31, 53, 533
Naphthylamidases, 125
Neonatal, 157
Neural crest cell, 589
Nifedipine, 221
Nimodipine, 263
Nitrogen narcosis, 75
NMDA antagonist, 621
NMDA receptor, 181
NMDA receptors, 315
N-Methyl-D-aspartate, 157
NMR, 133
Nonalcoholic beer, 365
Nuclear magnetic resonance spectroscopy, 499
Nutrition, 449

Observational rating scale, 163
Oddball technique, 85
7-OH DPAT, 515
8-OH-DPAT, 407
Olfactory-conditioned aversions, 473
Ontogenetic differences, 473
Operant behavior, 79, 341
Opiate receptors, 53
Opioid, 5, 13
Opioid antagonists, 35
Opioids, 25, 31
Oral alcohol self-administration, 341
Oral drug self-administration, 407
Oral self-administration, 175
Oxidative stress, 327, 603

P rats, 399
Pancreas, 171, 227
Passive attention, 153
PD 123319, 287
Peripheral resistance, 387
Phenylalkylamines, 263
Phosphoinositide, 487
Phospholipase C, 487
Phospholipids, 597
Pimozide, 273
Piracetam, 239
Plasma, 171
Plasma membranes, 187
Plasticity, 239
p-Nitrophenol hydroxylation, 69
Polyphenols, 41
Postnatal growth, 47
Preferring and nonpreferring rats, 347
Pregnancy, 281, 369
Premature birth, 369
Prenatal alcohol, 99
Preweanling rat, 377
Printing press workers, 65
Propylthiouracil, 559
Prothrombin, 423
Protracted withdrawal, 415
Proximal tubule, 449
Psychological functioning, 415
Pulmonary alcoholization, 233

QTL mapping, 617
Quasi-congenic strains, 617

Rapid, 621
Rapid Golgi stain, 209
Rat, 99, 171, 201, 227, 239, 407, 443
Rat brain, 455
Rat fetus, 377
Rats, 41, 93, 175, 281, 365, 395, 483
Receptor, 461
Recovery function, 333
Red wine, 41
Reduced gluconeogenesis, 553
Reinforcement, 341
Relapse, 415
Relapse prevention, 35
Renal folate reabsorption, 449
Retention interval, 201
Reversed micelles, 133
Reward, 79
Rewarming, 117
Rhesus monkeys, 341
RNA, 581

S-Adenosylmethionine, 395, 483
SCEs, 65
Seizures, 195
Serotonin, 53, 399, 431, 521
Serotonin-3 receptor, 569
Serum, 111
Sex hormones, 139
Sheep, 251
SLC V_{max}, 597
Sober alcoholics, 85
Somatodendritic dopamine release, 569
Stomach, 461
Strychnine-insensitive glycine receptor, 157
Synapses, 239

Target and nontarget ERPs, 85
Taste aversion, 201
Teratology, 369
Testosterone, 139
Tetrahydrobiopterin, 455
Thymocyte phenotype, 533
Thyroid function, 147
Thyrotropin-releasing hormone, 559
Tolerance, 621
Tongue, 257
Total enteral nutrition, 467
Treatment, 209
Tremor, 163
Tryptophan, 455
Tryptophan hydroxylase, 455, 559
Tyrosine hydroxylase, 559

UCHA and UCHB rats, 355
Undernutrition, 443
Urinary folate excretion, 449
Uterine blood flow, 251

Vascular effects, 369
Ventral tegmental area, 569
Verapamil, 221, 263

Water, 133
Water intake, 355, 359
Wistar rat, 69
Withdrawal, 163, 239, 309, 493

AUTHOR INDEX

Abdel-Nabi, R., 171
Abdollah, S., 107
Abel, E. L., 99, 281
Acquas, E., 13
Adebayo, G. I., 597
Ahuja, Y. R., 65
Alho, K., 153
Allison, T. G., 359
Almeida, O. F. X., 175
Altura, B. M., 499
Altura, B. T., 499
Amet, Y., 301
Amit, Z., 273, 347
Andrade, J. P., 239
Armstrong, D. L., 287
Atkins, B., 251

Badger, T. M., 467
Badia-Elder, N. E., 201
Barak, A. J., 395, 483
Bardou, L. G., 611
Basista, M. H., 423, 539
Bass, A. A., 341
Beckenhauer, H. C., 395, 483
Becker, H. C., 369
Begleiter, H., 333
Bellec, G., 301
Bergman, B., 139
Berman, R. F., 209
Bernardy, N. C., 387, 493
Berthou, F., 301
Bertini, S., 547
Björk, A. K., 399, 521
Bonner, A. B., 581
Borg, S., 415
Brandão, F., 239
Brecher, A. S., 125, 423, 553, 539
Brien, J. F., 107, 251
Broome-Cheaney, S. E., 111
Brusamolino, A., 41
Budeč, M., 533
Burks, A. W., 467

Caballería, J., 227
Cadete-Leite, A., 239
Campbell, A. D., 569
Carr, B. A., 359
Carvalho-Kosmiskas, J. V., 575
Cervato, G., 41
Cestaro, B., 41
Chappelle, A. M., 365
Chau, A., 621
Cheaney, J. D., 111
Chen, S.-Y., 589
Chotro, M. G., 377
Cohen, H. L., 333
Collins, A. C., 315
Costall, B., 407
Couet, C., 309
Crema, F., 547
Czarnecka, E., 221
De Beun, R., 263
Delarue, J., 309
De-Meo-Bancher, M., 575
Denning, C., 365
Devi, B. G., 327
De Vry, J., 263
De Witte, Ph., 233
De Waele, J.-P., 19
Dexter, F., 251
Diaz-Phillips, L., 603
Di Chiara, G., 13
Dickenson, L., 79
Dong, Y.-J., 257
Dreano, Y., 301
Driskill, A., 431

Escera, C., 153
Espina, N., 461

Federico, E., 195
Feely, J., 597
Feng, J., 461
Figlie, N. B., 75
Fisher, H., 195
Fleischer, A., 617
French, T. A., 559

Gaffney, P., 597
Garro, A. J., 461
Gatti, P., 41
George, F. R., 79
Gianoulakis, C., 19
Gill, K., 347
Gilliam, D. M., 47
Giménez, A., 227
Glenn, S. W., 85
Goasduff, T., 301
Goodwin, F. L. W., 273
Gornati, R., 291
Griggio, M. A., 575
Gupta, R. K., 499

Hakkak, R., 467
Hannigan, J. H., 209
Hare, T. A., 171
Heinrichs, S. C., 163
Helm, R. M., 467
Henderson, G. I., 327
Hernandez, W., 75
Herrera, E., 443
Hiltunen, A. J., 415
Hofford, J. M., 171
Holownia, A., 93, 611
Hrdy, J., 251
Hungund, B. L., 187
Hunt, W. A., 147
Husain, K., 603
Husson, M., 309

Idzu, T., 455
Imperial, S., 227
Intorre, L., 547
Ishinaga, Y., 455

Jääskeläinen, I. P., 153
Jacobson, K., 589
Jelicks, L., 499
Jones, T. W., 181

Karapetrović, B., 533
Kareti, K. R., 603
Karpiak, S. E., 187
Khanna, J. M., 621
Kiefer, S. W., 201
Kimura, K., 455
King, A. C., 387, 493
Klein, A., 263
Klemm, W. R., 133
Knight, J., 125
Kobayashi, Y., 455
Koechling, U. M., 273, 415
Kohl, R. R., 569
Koob, G. F., 163
Korukian, M., 75
Kosec, D., 533
Kotch, L. E., 47
Koterba, A. P., 423, 539
Kraebel, K. S., 377
Kulkosky, P. J., 359

Laev, H., 187
LaFrancois, J., 617
Lamblin, F., 233
Lamisse, F., 309
Lanir, A., 59
Lankford, M. F., 53, 399
Lanzotti, D. J., 603
Latour, M. A., 111
Lauri, T., 117
Ledig, M., 93
Lehti, M. D., 553
Leibovici, L., 59
Leposavić, G., 533
Leslie, S. W., 157, 181
Li, T.-K., 297, 515
Lohmann, A., 263
López, J. M., 227
Lopez, M. F., 473
Lovallo, W. R., 387, 493
Luchetti, E., 547
Lumeng, L., 297, 515
Luz, J., 575

Macey, D. J., 163
Madeira, M. D., 239
Mamet, R., 59
Mao, R. F., 617
Mapoles, J., 93
Mardones, J., 355
Martín-Hidalgo, A., 443
Maruyama, W., 455
Marway, J. S., 581
Matsubara, K., 455
Mazloum, B., 327
McBride, W. J., 297, 515, 569
McKinzie, D. L., 297, 377
McMartin, K. E., 449
McMillen, B. A., 103, 217, 321, 529
Meisch, R. A., 341
Mendelson, B., 431
Ménez, J.-F., 93
Menez, J. F., 301, 611
Mengozzi, G., 547
Meskar, A., 611
Milakofsky, L., 171
Molina, J. C., 377, 473
Monteiro, M. G., 75
Morris, J., 157
Murphy, J. M., 515
Myers, R. D., 1, 53, 109, 399, 521

Näätänen, R., 153
Naoi, M., 455
Navarro, S., 227
Neill, J. C., 407

O'Brien, C. P., 3, 35
Oller do Nascimento, C. M., 443
Omodeo-Salé, F., 291

Palestini, P., 291
Pandey, G. N., 487
Pandey, S. C., 487
Parés, A., 227
Parsons, O. A., 85, 387, 493
Paula-Barbosa, M. M. 239
Peebles, E. D., 111
Pellegrini, N., 41
Peng, T.-K., 257
Penning, D. H., 251
Piercy, K. T., 521
Pietrzak, B., 221
Plapler, H., 575
Poduska, D., 251
Poelchen, W., 69
Porjesz, B., 333
Preedy, V. R., 581

Quintanilla, M. E., 355

Rajah, T. T., 65
Randall, C. L., 369
Reid, L. D., 5
Reynolds, J. D., 251
Ross, D. M., 449
Russell, R. N., 515
Ruusa, J., 139

Salimov, R. M., 297
Salo, A. L., 369
Samson, H. H., 365
Sanchez, F. P., 79
Saukko, P., 117
Schellenberg, F., 309
Schenker, S., 327
Schneider, R., 263
Schoenfeld, N., 59
Schulteis, G., 163
Segall, M. A., 559
Sekowski, A., 195
Shah, G., 621
Shoaib, M., 175
Sillanaukee, P., 153
Simonetti, P., 41
Smith, B. R., 273, 347
Smith, L. T., 85
Smith, T. L., 487
Soldani, G., 547
Somani, S. M., 603
Spear, N., 377
Spear, N. E., 473
Sperry, M. A., 209
Spuhler-Phillips, K., 181
Stauffer, R., 125
Stewart, R. B., 341
Sulik, K. K., 589
Swann, M., 581

Takahashi, E., 75
Tanabe, Y., 455
Tanda, G., 13
Tavares do Carmo, M. G., 443
Terenius, L., 31
Thavundayil, J., 19
Thiele, T. E., 201
Tichet, J., 309
Timisjärvi, J, 117
Tracy, Jr., H. A., 287
Trammell, G. L., 603
Tuma, D. J., 395, 483

Ulman, E., 195

Vadász, C., 617
Valderrama, R., 227
Van Ree, J. M., 3, 25
Vogel, W. H., 171
Vol, S., 309
Volpicelli, J. R., 35
Volpicelli, L. A., 35
Voltaire-Carlsson, A., 415

Wagner, G. C., 195
Wang, N.-S., 341
Wang, S.-L., 461
Wayner, M. J., 287
Weiner, N., 559
Wheeler, G., 467
Williams, H. J., 133
Wilson, A. W., 407
Wilson, W., 181
Wilson, W. R., 315
Winkler, I., 153
Wirkner, K., 69
Wittenberg, B. A., 499
Wu-Wang, C. Y., 461

Yang, B., 589
Yin, S.-J., 257
Yu, Y.-L., 195

Zajac, C. S., 209
Zou, L. Y., 499
Zumwalt, C. D., 111